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### Overview

This unit is about activity in the verification of evidence used in nuclear safety cases, either during the editing process by the writer themselves, or during a peer review or approval process by someone else.

This activity includes reviewing the information sources and assessment methods used, identifying any anomalies or inconsistencies, checking compliance with regulations, following verification procedures, providing information on the verification results, identifying any implications for the safety case.

This activity is likely to be undertaken by someone involved in preparing safety cases, either by managing them or by contributing technical content for them.

This unit deals with the following:

1. Verify evidence for nuclear safety cases

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices **AS THEY APPLY TO YOU**.

Previous Version: Unit N313 National Occupational Standards in Radiation Protection - December 2005

# COGSC13

## Verify evidence for nuclear safety cases

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### Performance criteria

- You must be able to:*
- P1 review the information sources used for the generation of the evidence for the safety case
  - P2 verify the assessment methods used for the generation of the evidence for the safety case
  - P3 identify any anomalies or inconsistencies in the evidence
  - P4 identify any issues affecting the quality of the evidence
  - P5 check that all relevant regulations and guidelines are complied with
  - P6 verify the evidence according to the verification procedures relating to safety cases
  - P7 provide information on the results of the verification procedures to all relevant stakeholders
  - P8 identify any implications for the safety case arising from the evidence
  - P9 collate all relevant evidence for presentation to the appropriate colleagues
  - P10 comply with all relevant regulations and standards, and record all relevant actions and outcomes in the appropriate information systems

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### Knowledge and understanding

*You need to know and understand:*

- K1 communication and presentation methods
- K2 hazard and risk assessment methods
- K3 health and safety issues and requirements
- K4 nuclear industry: types of facilities, materials, and processes
- K5 organisational structures and procedures
- K6 radiation: types, sources, and hazards
- K7 safety case design and preparation
- K8 stakeholder requirements
- K9 statutory requirements, regulations, and standards, including international, national, and local

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**Relevant occupations** Professional Occupations; Engineering Professionals; Engineering and manufacturing technologies; Engineering

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**Suite** Safety Case Preparation

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**Key words** verify, evidence, safety case, technical content, information, assessment methods, regulations